

CLAIMS:

1. A holographic recording medium comprising a holographic recording carrier in which data can be holographically recorded, a first antireflection film formed on one surface of the holographic recording carrier and a second antireflection film formed on the other surface of the holographic recording carrier, optical characteristics of the first antireflection film and those of the second antireflection film being different from each other.
2. A holographic recording medium in accordance with Claim 1, wherein the holographic recording carrier is constituted so that data can be recorded therein and data can be reproduced therefrom by projecting a first laser beam, and a concavo-convex pattern is formed on the other surface of the holographic recording carrier so that the first laser beam can be positioned and an address of a region in which data are being recorded or from which data are being reproduced by projecting a second laser beam onto the concavo-convex pattern.
3. A holographic recording medium in accordance with Claim 2, wherein the second antireflection film is formed so that the reflection coefficient thereof with respect to the second laser beam is higher than that with respect to the first laser beam thereof.
4. A holographic recording medium in accordance with Claim 2, wherein the first antireflection film and the second antireflection film are formed so that the reflection coefficient of the second antireflection film with respect to the second laser beam is higher than that of the first antireflection film with respect to the second laser beam.

5. A holographic recording medium in accordance with Claim 3, wherein the first antireflection film and the second antireflection film are formed so that the reflection coefficient of the second antireflection film with respect to the second laser beam is higher than that of the first antireflection film with respect to the second laser beam.
6. A holographic recording medium in accordance with Claim 2, wherein the reflection coefficient of the first antireflection film with respect to the first laser beam and the reflection coefficient of the second antireflection film with respect to the first laser beam are both equal to or lower than 1.0 %.
7. A holographic recording medium in accordance with Claim 2, wherein the reflection coefficient of the second antireflection film with respect to the second laser beam is equal to or higher than 2.0 %.
8. A holographic recording medium in accordance with Claim 2, wherein the wavelength of the first laser beam is shorter than that of the second laser beam.
9. A holographic recording medium in accordance with Claim 2, wherein the thicknesses of the first antireflection film and the second antireflection film are both equal to or thinner than 1.5 times the wavelength of the first laser beam.
10. A holographic recording medium in accordance with Claim 2, wherein the first antireflection film is formed on the surface of the

holographic recording carrier onto which the first laser beam is to be projected.

11. A holographic recording medium in accordance with Claim 1,
5 wherein the holographic recording carrier includes a first light transmittable substrate, a second light transmittable substrate and a holographic recording layer sandwiched therebetween.

12. A holographic recording medium in accordance with Claim 2,
10 wherein the holographic recording carrier includes a first light transmittable substrate, a second light transmittable substrate and a holographic recording layer sandwiched therebetween.